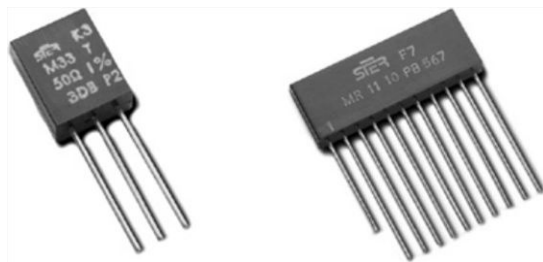


## Resistor Networks Metal Film Technology



### FEATURES

- RCMA 02 metal film
- RCMX 02 metal film
- Temperature range - 55 °C to + 125 °C
- Tolerance and/or temperature coefficient  
Tolerance tracking 0.1 % between two resistors  
TCR tracking 2 ppm/°C between two resistors
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS  
COMPLIANT**

Please consult Vishay Sfernice for special requirements.

DIMENSIONS in millimeters (inches)						
<p>Lead spacing: 2.54 OR 5.08 (0.100) OR (0.200)</p>	<b>SERIES</b>	<b>MR3..</b>	<b>MR4..</b>	<b>MR5..</b>	<b>MR7..</b>	<b>MR11..</b>
	<b>S = 2.54 (0.100)</b>	8.6	11.5	13.6	19.7	28.8
	<b>A = 5.08 (0.200) <sup>(1)</sup></b>	13.6	19.7	On request		

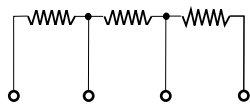
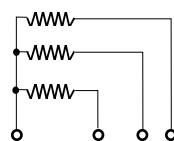
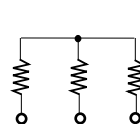
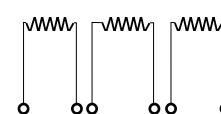
**Note**
<sup>(1)</sup> On request

STANDARD ELECTRICAL SPECIFICATIONS						
MODEL	RESISTANCE RANGE Ω	POWER RATING $P_{70^{\circ}\text{C}}$ W	ABSOLUTE TOLERANCE ± %	RATIO TOLERANCE ± %	ABSOLUTE TCR ± ppm/°C	RATIO TCR ± ppm/°C
MR	0.1 to 10M	0.1	0.1 to 5	0.1, 0.05, 0.02, 0.01	5 to 50	1, 2

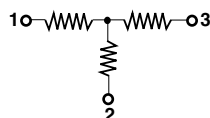
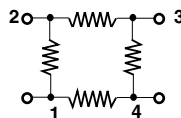
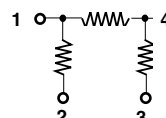
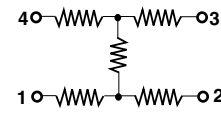
ELECTRICAL SPECIFICATIONS (PER RESISTOR)	
Maximum Power Rating Per Packaging	Number of resistors x 0.1 W

### AVAILABLE CONFIGURATIONS

#### RESISTOR NETWORKS

**S SERIES**

**PARALLEL + COMMON <sup>P</sup>**

**PARALLEL**

**E INDEPENDENT**


#### ATTENUATORS

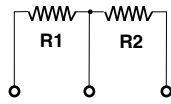
**T**

**U**

**O (BALANCED PI)**

**H (BALANCED T)**


**PACKAGED CONFIGURATIONS**

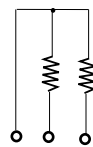
Standard models - consult Vishay Sfernice for special configuration requirements

**2 RESISTOR NETWORKS**

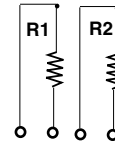
**MR32S**



**MR32P**

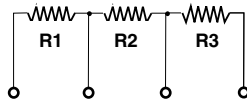


**MR42E**

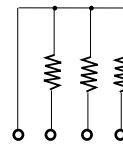


**3 RESISTOR NETWORKS**

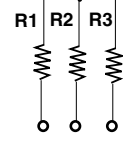
**MR43S or U**



**MR43P**

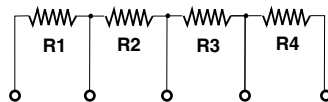


**MR33P or T**

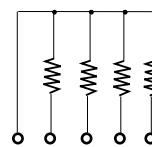


**4 RESISTOR NETWORKS**

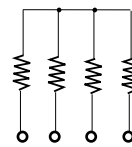
**MR54S**



**MR54P**

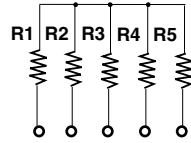


**MR44P**



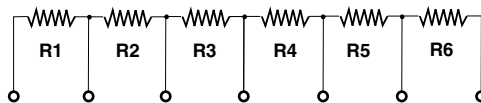
**5 RESISTOR NETWORKS**

**MR55P**

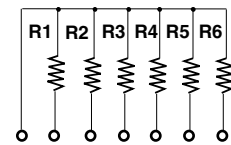


**6 RESISTOR NETWORKS**

**MR76S**

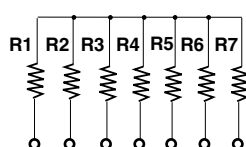


**MR76P**



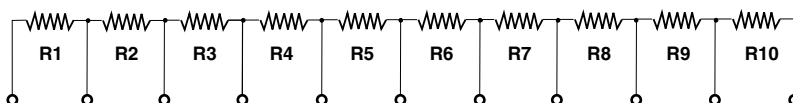
**7 RESISTOR NETWORKS**

**MR77P**

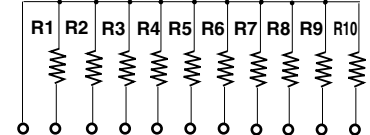


**10 RESISTOR NETWORKS**

**MR1110S**

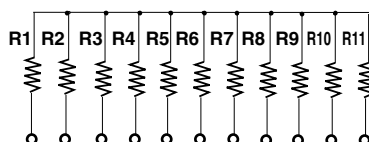


**MR1110P**



**11 RESISTOR NETWORKS**

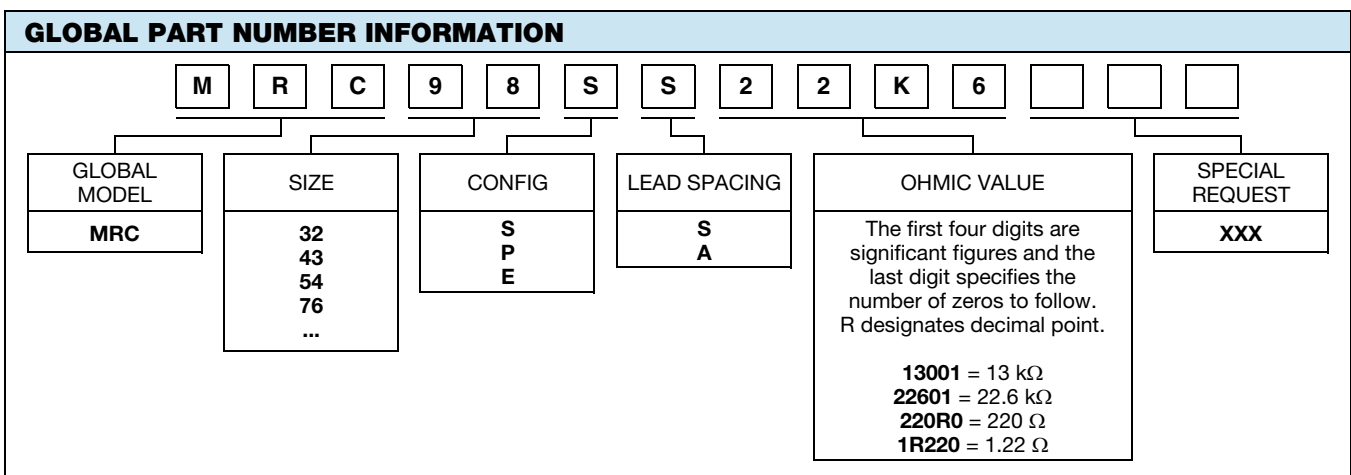
**MR1111P**





ORDERING INFORMATION									
<b>ATTENUATORS</b>									
MR	3	3	T	S	20B	50U	1%	K3	e2
	NUMBER OF LEADS	NUMBER OF RESISTORS	CONFIGURATION	LEAD SPACING	ATTENUATION RANGE	IMPEDANCE	TOLERANCE PER RESISTIVE ELEMENT	TEMPERATURE COEFFICIENT	LEAD (Pb)-FREE
				S standard: 2.54 (0.100) A on request: 5.08 (0.200)					
<b>RESISTORS NETWORKS</b>									
MRC	9	8	P	S	50U	XXX	e2		
MODEL	NUMBER OF LEADS	NUMBER OF RESISTORS	CONFIGURATION	LEAD SPACING	APPLICABLE	SPECIAL REQUEST, TRACKING MATCHING	LEAD (Pb)-FREE		
		P = Parallel S = Serie		S standard: 2.54 (0.100) A on request: 5.08 (0.200)	Only when the ohmic value is the same for all resistors				

SAP PART NUMBERING GUIDELINES							
<b>ATTENUATORS</b>							
M	33	T	S	500	2R0	F	H
MODEL	SIZE	CONFIGURATION	LEAD SPACING	IMPEDANCE	ATTENUATORS	TOLERANCE	TEMPERATURE COEFFICIENT
<b>RESISTORS NETWORKS</b>							
MRC	98	P	S	500	XXX		
MODEL	SIZE	CONFIGURATION	LEAD SPACING	OHMIC VALUE	SPECIAL REQUEST		





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