INQUIRY FORM FOR EV-HEV RESISTORS



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RESISTOR CHARACTERISTICS	
Type (if already known)	
Ohmic Value * (Ω)	
Tolerance (%)	

DUTY CYCLE (normal working cond. req.)		
POWER *		
Permanent Power		W
Peak Voltage		V
Permanent Voltage		V
PULSES		
Shape of Pulses *		

Square	Decaying	Other (Pulse Graph)
Pulse Width		ms
Frequency		Hz
Capacitor		μf
DUTY CYCLE (abnormal working cond. req.)		
Power		
Pulses		

DUTY CYCLE DURING QUALIFICATION Power Pulses

DIELECTRIC *	
Dielectric	kV
How long	s

COOLING *			
Natural	Heatsink	SMD	
If natural cooling			
Max. Ambient T°		o	С
Max. Allowable T°		0	С
If heatsink cooling			
Air			
Water			
Max. Ambient T°		0	С
Max. Allowable T°		0	С
If SMD mounting			
Max. Ambient T°		0	С
Max. Allowable T°		0	С
R _{th} PCB		0	C/W

APPLICATIONS	
On-Board Charger (OBC)	
Traction Battery Pack (BMS)	
HV DC/DC Converter	
Power Inverter - Motor Control	
E-Compressor	
Other:	
FUNCTIONS *	
Precharge	
Discharge	
Discharge Active Discharge	
Discharge Active Discharge Balancing	
Discharge Active Discharge Balancing Snubber	
Discharge Active Discharge Balancing Snubber Other:	

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QUALIFICATION *	
AEC-Q200	
Other:	

REQUESTED QUANTITY *	
	Kpcs / Year
TIME SCHEDUL	E
Prototype	mm/yy
Pre Series	mm/yy
Series	mm/yy

FORM COMPLETED BY *	
Name	
Function	
Phone	
Email	
Company	
Location	
Country	
Date	

* = mandatory information

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1 For technical questions, contact: <u>sferfixedresistors@vishay.com</u> Document Number: 50075

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