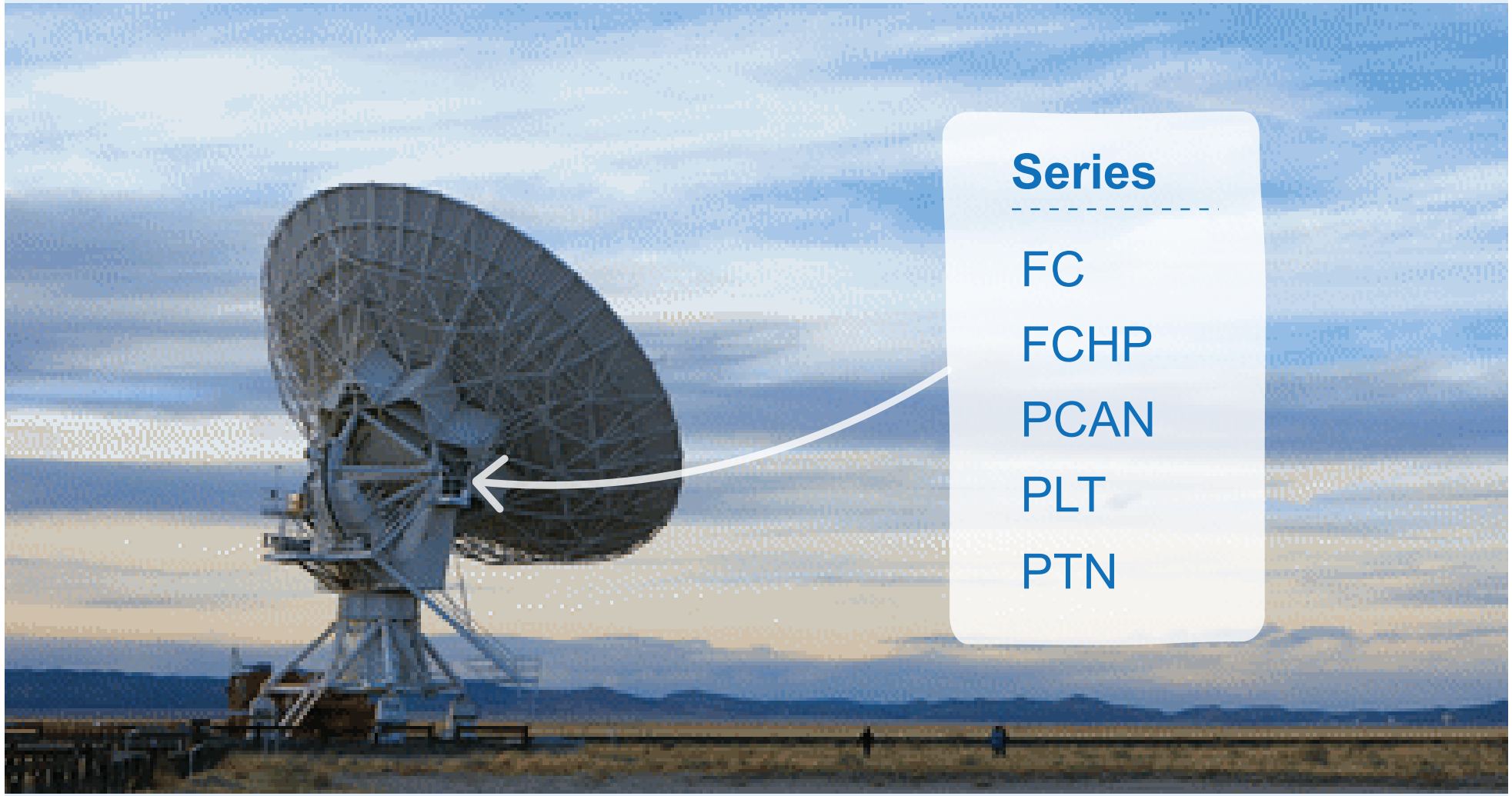
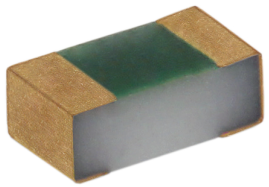
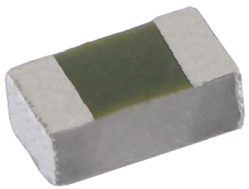
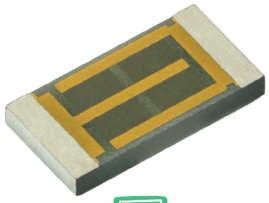
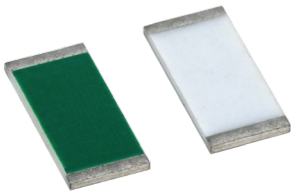
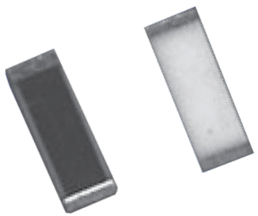
Vishay Thin Film Precision Surface-Mount Chip Resistors for Telecommunications Applications

FC / FCHP / PCAN / PLT / PTN



Series	Case Size Availability	Resistance Range (Ω)	Key Performance Features	Telecommunications Applications
FC 	0402 - 1206	10 to 1000	• Frequency performance up to 40 GHz • Tolerance to ± 0.1 % • Multiple termination styles	• Low noise amplifiers • 5G transmission base stations • Line termination • Attenuation
FCHP 	0402	50 / 100	• Power rating to 1 W • Frequency performance up to 60 GHz • Small internal reactance (< 10 mΩ) • Flame Retardant per AEC-Q200-001	• 5G communication systems • Fiber optic transponders • Line termination • Antenna lead • Radio frequency power divider

PCAN 	0603 - 2512	2 to 30.1K	• High thermal conductivity	• Power conversion
			• High power ratings (0.5 W to 6.0 W)	• Power management
			• Load life stability of 1 % at 1000 h at 70 °C	• Power supply
PLT 	0603 - 2512	100 to 3M	• High precision (± 0.01 % tolerance)	• Optical transponder power conversion
			• Low TCR (± 5 ppm/ °C)	• Signal conditioning
			• High stability (ΔR ± 0.04 % at 70 °C, 10 000 h)	
PTN 	0402 - 2512	1.5 to 3M	• Moisture and sulfur resistant	• Signal conditioning
			• High precision (± 0.05 % tolerance)	• Antenna termination
			• Low TCR (± 10 ppm / °C)	

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