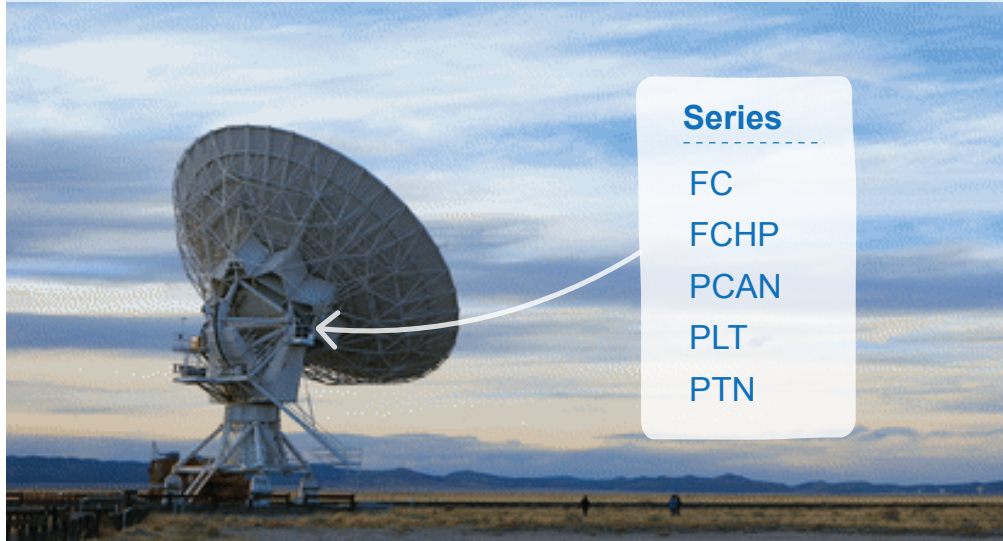
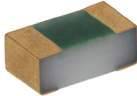



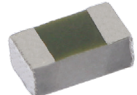



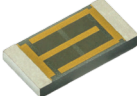



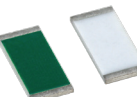









Vishay Thin Film Precision Surface-Mount Chip Resistors for Telecommunications Applications

FC / FCHP / PCAN / PLT / PTN



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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 $\pm 0.1\%$  • Multiple termination styles	• Low noise amplifiers • 5G transmission base stations • Line termination • Attenuation
FCHP 	0402	50 / 100	 • Frequency performance up to 60 GHz  • Small internal reactance ($< 10\text{ m}\Omega$)  • Flame Retardant per AEC-Q200-001	• 5G communication systems • Fiber optic transponders • Line termination • Antenna lead • Radio frequency power divide
PCAN 	0603 - 2512	2 to 30.1K	 • High thermal conductivity  • High power ratings (0.5 W to 6.0 W)  • Load life stability of 1% at 1000 h at 70 °C	• Power conversion • Power management • Power supply
PLT 	0603 - 2512	100 to 3M	 • High precision ($\pm 0.01\%$ tolerance)  • Low TCR ($\pm 5\text{ ppm}/^\circ\text{C}$)  • High stability ($\Delta R \pm 0.04\%$ at 70 °C, 10 000 h)	• Optical transponder power conversion • Signal conditioning
PTN 	0402 - 2512	1.5 to 3M	 • Moisture and sulfur resistant  • High precision ($\pm 0.05\%$ tolerance)  • Low TCR ($\pm 10\text{ ppm}/^\circ\text{C}$)	• Signal conditioning • Antenna termination