

SERIES PCX HIGH POWER COAXIAL TERMINATIONS

DC to 6 GHz

RoHS
Compliant

AEROFLEX
A passion for performance.

GENERAL INFORMATION

The PCX Series High Power Terminations are designed to dissipate RF power when mounted to a heat sink or chill plate. Power levels up to 500 watts in 50 ohm impedance are available in units with SMA or Type N, male or female connectors. High stability thin film resistive elements on beryllium oxide substrates are used to insure stable VSWR performance over temperature and environmental conditions.

NOTES

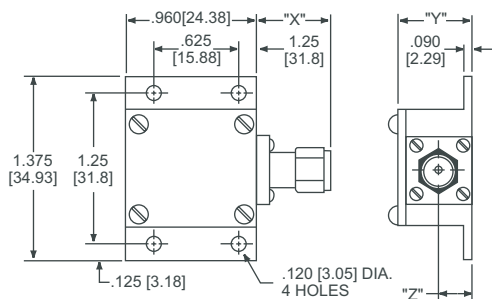
1. Input power ratings based on case temperature of 85°C maximum.
2. Connectors: SMA - Stainless Steel Passivated per MIL-C-39012, Type N - Nickel Plated Brass per MIL-C-39012
3. Housing: Copper, Nickel Plated per QQ-N-290



PERFORMANCE SPECIFICATIONS

Part Number	Input Power (Watts) (Note 1)	Frequency Range	Connector Type (Note 2)	VSWR (Typical)	Outline
PCX050-F-50 PCX050-M-50	50	DC - 6 GHz	SMA Female SMA Male	DC-3 GHz: 1.25:1 3 - 6 GHz: 1.35:1	A
PCX050-F-100 PCX050-M-100	100	DC - 3 GHz	SMA Female SMA Male	DC- 3 GHz: 1.25:1	A
PCX050-F-150 PCX050-M-150 PCX100-F-150 PCX100-M-150	150	DC - 2 GHz	SMA Female SMA Male N Female N Male	DC - 1 GHz: 1.15:1 1 - 2 GHz: 1.40:1	B
PCX050-F-250 PCX050-M-250 PCX100-F-250 PCX100-M-250	250	DC - 800 MHz	SMA Female SMA Male N Female N Male	DC - 200 MHz: 1.15:1 200 - 400 MHz: 1.40:1 400-800 MHz: 1.30:1	B
PCX100-M-500	500	DC - 200 MHz	N Male	DC - 200 MHz: 1.15:1	B

PHYSICAL DIMENSIONS

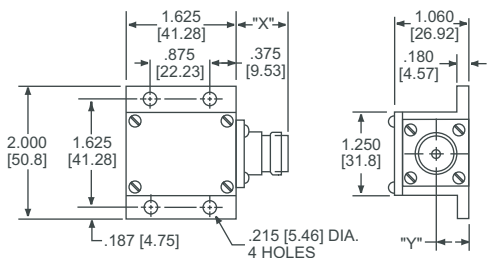


OUTLINE A (Shown with SMA)

MODEL	"x"	"y"	"z"
PCX050-F-50	.375 [9.53]	.560 [14.22]	.260 [6.60]
PCX050-M-50	.507 [12.88]	.560 [14.22]	.260 [6.60]
PCX050-F-100	.375 [9.53]	.560 [14.22]	.260 [6.60]
PCX050-M-100	.507 [12.88]	.560 [14.22]	.260 [6.60]



SMA 50 & 100 WATTS



OUTLINE B (Shown with TYPE N)

MODEL	"x"	"y"	"z"
PCX050-F-150, 250 [9.53]	.375 [9.53]	.515 [13.08]	.515 [13.08]
PCX050-M-150, 250 [9.53]	.375 [9.53]	.515 [13.08]	.515 [13.08]
PCX100-F-150, 250, 500 [18.69]	.736 [18.69]	.508 [12.9]	.508 [12.9]
PCX100-M-150, 250, 500 [20.8]	.819 [20.8]	.508 [12.9]	.508 [12.9]



SMA OR N CONNECTORS
150, 250 & 500 WATTS

KEY: Inches [Millimeters] .XX ±.03 .XXX ±.010 LX ±0.8 .XX ±0.25J

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