

Terminations

SMA / Type N

MODEL: PCX Series

SERIES PCX HIGH POWER COAXIAL TERMINATIONS, DC TO 6 GHz

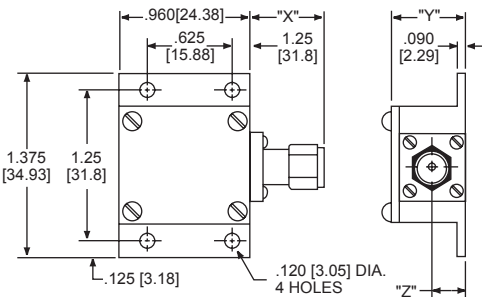
The PCX Series of High Power Terminations are designed to dissipate RF power when mounted to a heat sink or chill plate. Power levels up to 250 Watts in 50 Ohm impedance are available in units with SMA and Type N male or female connectors. High stability thin film resistive elements on beryllium oxide substrates are used to insure stable VSWR performance over temperature and environmental conditions. Input power ratings are based on case temperature of 85°C maximum.

PERFORMANCE SPECIFICATIONS

Part Number	Input Power (Watts)	Frequency Range	Connector Type	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 PCX100-F-150	150	DC - 2 GHz	SMA Female N Female	DC - 1 GHz: 1.15:1 1 - 2 GHz: 1.40:1	B
PCX100-F-250	250	DC-800 MHz	N Female	400 - 800 MHz: 1.30:1	B

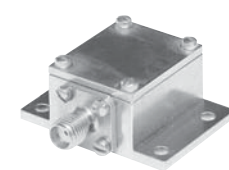
SMA Connectors are Stainless Steel Passivated per MIL-C-39012, Type N Connectors are Nickel Plated Brass per MIL-C-39012
Housings are Copper, Nickel Plated Brass per MIL QQ-N-290

PHYSICAL DIMENSIONS

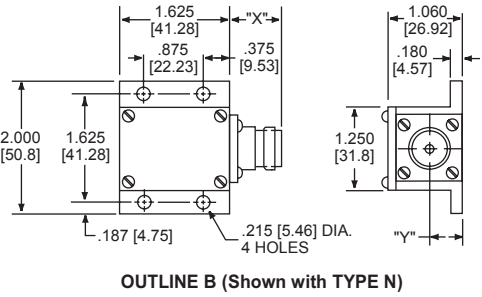


OUTLINE A (Shown with SMA)

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"
PCX050-F-150	.375 [9.53]	.515 [13.08]
PCX100-F-150, 250	.736 [18.69]	.508 [12.9]



SMA OR N CONNECTORS
150 & 250 WATTS

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