HIGH POWER COAXIAL TYPE N, SMA, TNC

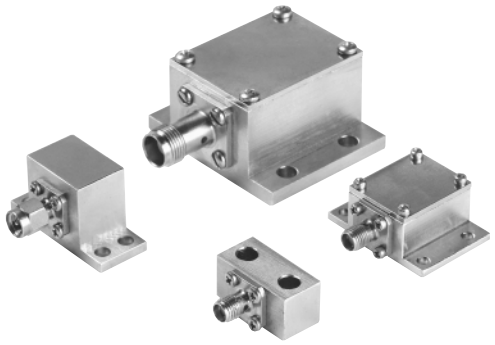
TERMINATIONS

DC-18 GHz CONDUCTION (HEAT SINK) COOLED

SERIES PCX

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 from 15 to 500 watts in 50 ohm impedance are available in units with type SMA, TNC or Type N, male or female connectors. Improved VSWR models over narrow bandwidths are available from D.C. to 18 GHz. High stability thin film resistive elements on beryllium oxide substrates are used to insure stable VSWR performance over temperature and environmental conditions.



PERFORMANCE SPECIFICATIONS

Part Number	Input Power(Watts) (Note 1)	Frequency Range (Note 2)	Connector Type	VSWR (Maximum)	Outline
PCX-050-F-15	15	DC-12.4 GHz	SMA FEMALE	DC-4 GHz—1.15:1 4.8 GHz—1.20:1	A
PCX-050-M-15			SMA Male	8–12.4 GHz—1.30:1	
PCX-050-F-30	30	DC-18 GHz	SMA FEMALE	DC-4 GHz—1.25:1	B
PCX-050-M-30			SMA MALE	4–8 GHz—1.35:1	
PCX-075-F-30		DC-8 GHz	TNC FEMALE	8–18 GHz—1.40:1	SMA ONLY
PCX-075-M-30			TNC MALE		
PCX-050-F-50	50	DC-6 GHz	SMA FEMALE	DC-3 GHz—1.25:1	C
PCX-050-M-50			SMA MALE	3-6 GHz—1.35:1	
PCX-050-F-100	100	DC-3 GHz	SMA FEMALE	DC-3 GHz—1.25:1	C
PCX-050-M-100			SMA MALE		
PCX-075-F-100			TNC FEMALE		
PCX-050-F-100-(XX)	100	DC-18 GHz(3)	SMA FEMALE	1.4—8%B.W. 1.15—1%B.W.	
PCX-050-F-150	150	DC-2 GHz	SMA FEMALE		D
PCX-050-M-150			SMA MALE	DC-1 GHz—1.15:1	
PCX-100-F-150			N FEMALE	1-2 GHz—1:40.1	
PCX-100-M-150			N MALE		
PCX-050-F-250	250	DC-800 MHz	SMA FEMALE	DC-200 MHz—1.15:1 200–400 MHz—1.25:1 400–800 MHz—1.30:1	D
PCX-050-M-250			SMA MALE		
PCX-100-F-250			N FEMALE		
PCX-100-M-250			N MALE		
PCX-100-F-500	500	DC-200 MHz	N FEMALE	DC-200 MHz—1.30:1	D
PCX-100-M-500			N MALE		

Notes:

1. Operating Temperature: 15 watt models 100°C maximum case temperature. All other models 85°C maximum case temperature.
2. Narrowband (8%) performance up to 18 GHz available in special units.
3. Specify center frequency in GHz.

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

KDI-RESISTOR PRODUCTS

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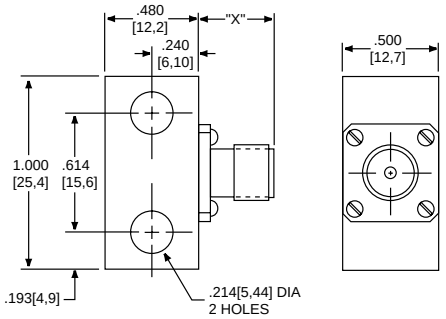
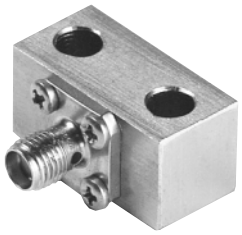
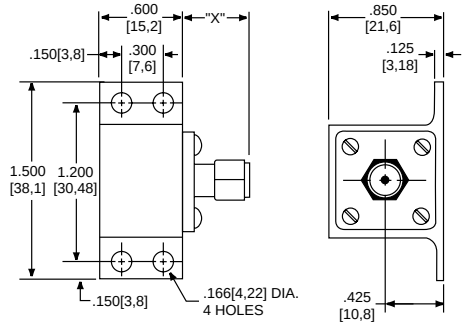


OUTLINE A

MODEL	"X"
PCX-050-F-15	.375 [9,53]
PCX-050-M-15	.507 [12,88]

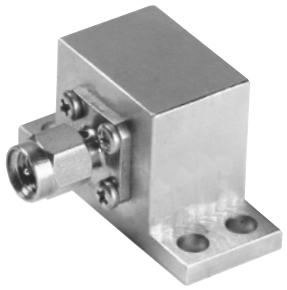


SMA CONNECTORS 15 WATTS

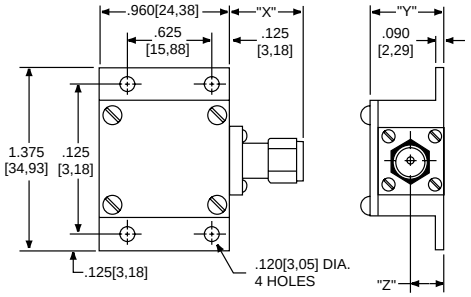


OUTLINE B (Shown with SMA)

MODEL	"X"
PCX050-F-30	.375 [9,53]
PCX050-M-30	.507 [12,88]
PCX075-F-30	.750 [19,1]
PCX075-M-30	.844 [21,44]

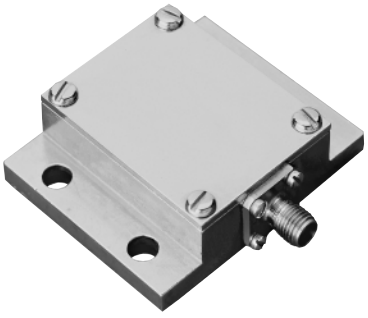


SMA OR TNC CONNECTORS 30 WATTS

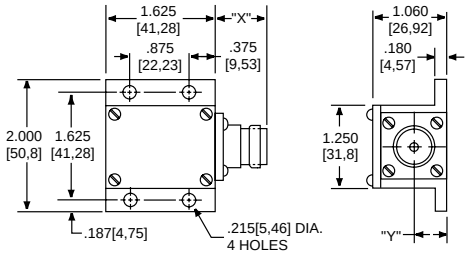


OUTLINE C (Shown with SMA)

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]
PCX075-F-100	.736 [18,69]	.970 [24,64]	.480 [12,2]



SMA OR TNC 50 & 100 WATTS



OUTLINE D (Shown with TYPE N)

MODEL	"X"	"Y"
PCX050-F-150, 250	.375 [9,53]	.515 [13,08]
PCX050-M-150, 250	.375 [9,53]	.515 [13,08]
PCX100-F-150, 250, 500	.736 [18,69]	.508 [12.9]
PCX100-M-150, 250, 500	.819 [20,8]	.508 [12.9]

SMA OR N CONNECTORS
150/250 & 500 WATTS

MATERIALS

Connectors: SMA and TNC - Stainless Steel Passivated per MIL-C-39012; TYPE N - Nickel Plated Brass per MIL-C-39012 Housing: Copper, Nickel Plated per QQ-N-290.

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

ISO 9001 REGISTERED FIRM

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