

PILL SHAPE

TERMINATIONS

DC-18 GHz

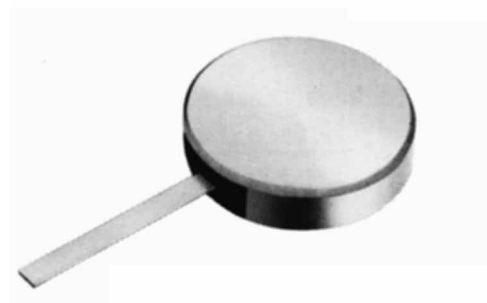
SERIES PST

GENERAL INFORMATION:

KDI's series of Pill Shape Terminations feature a superior resilient design which provides maximum electrical efficiency as a result of its mechanical integrity. Unlike other designs that have a single contact mounting point, this foolproof beryllium copper resilient spring (eight individual spring contact points); thus assuring electrical & mechanical performance at all times. Devices are 100% RF tested through 18 GHz and package offers excellent protection from moisture. Non-resilient models without the spring feature are also offered soldering directly to a ground plane.

GENERAL SPECIFICATIONS:

Frequency:	DC-18 GHz
Impedance:	50 Ohms
Operating Temperature:	-55 to +150°C
Substrate:	Alumina (1W) BeO Ceramic (3W)
Resistive Element:	Proprietary Thin Film
Case, Contacts, Tabs:	Copper, Gold Plated per MIL-G-45204



RESILIENT PILLSHAPE TERMINATIONS

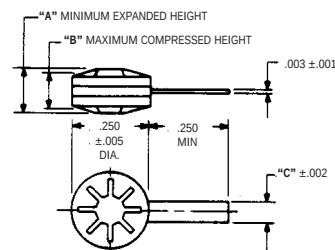
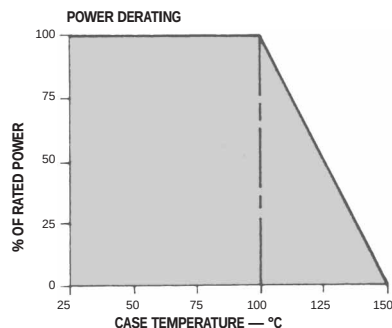
Part Number	Frequency Range	Input Power (Watts)	VSWR (Max.) ⁽¹⁾
PST-1	DC-18 GHz	1	DC-8 GHz—1.20:1
			8-12.4 GHz—1.35:1
			12.4-18 GHz—1.50:1
PST-2	DC-18 GHz	3	DC-8 GHz—1.20:1
			8-12.4 GHz—1.35:1
			12.4-18 GHz—1.50:1

NON-RESILIENT PILLSHAPE TERMINATIONS

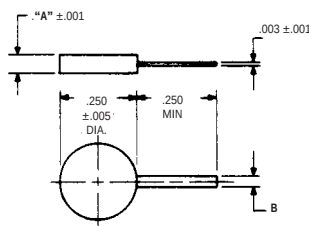
PST-62	DC-18 GHz	1	DC-8 GHz—1.30:1
			8-12.4 GHz—1.35:1
			12.4-18 GHz—1.70:1
PST-125	DC-18 GHz	3	DC-8 GHz—1.20:1
			8-12.4 GHz—1.35:1
			12.4-18 GHz—1.50:1

Notes:

- (1) VSWR as measured in 50 Ohm stripline circuit.
- (2) Unless otherwise specified, all tolerances are 6.010.
- (3) All models meet applicable portions of MIL-D-39030.



MODEL	"A"	"B"	"C"
PST-1	.135	.121	.060
PST-2	.135	.121	.060



MODEL	"A"	"B"
PST-62	.062	.030
PST-125	.125	.060

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