

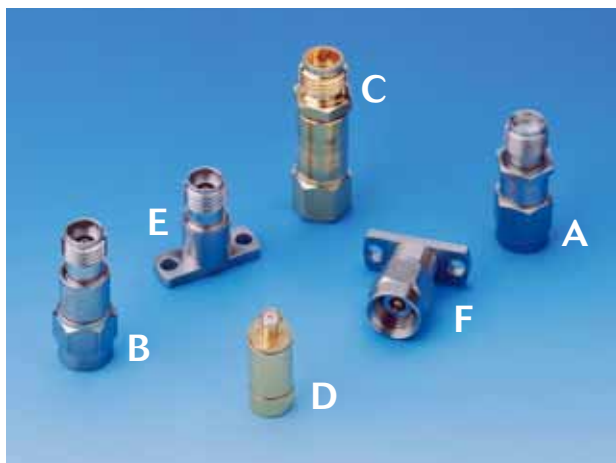


Broadband Microwave Components

www.aeroflex-inmet.com



- Attenuators
- Adapters
- Bias Tees
- DC Blocks
- Gain Equalizers
- Terminations

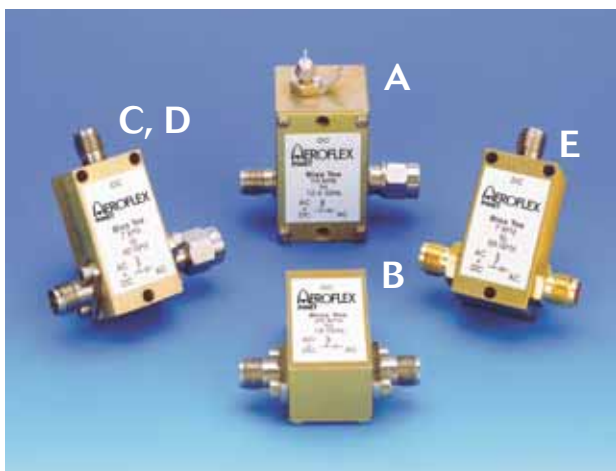


DC Blocks

used primarily for
AC coupling between
modules 10 Gb/s to 40 Gb/s

Key	Model	Connector	Freq.(GHz)	Voltage (V)
A	8535	SMA	7 kHz-23	100
B	8535K	2.9mm	7 kHz-40	30
C	8535E	2.4mm	7 kHz-50	30
D	8535P	SMP	7 kHz-26.5	50
E	8537K	2.9mm	7 kHz-45	25
F	8537E	2.4mm	7 kHz-45	25
G*	8535G	GPO	7 kHz-26.5	50

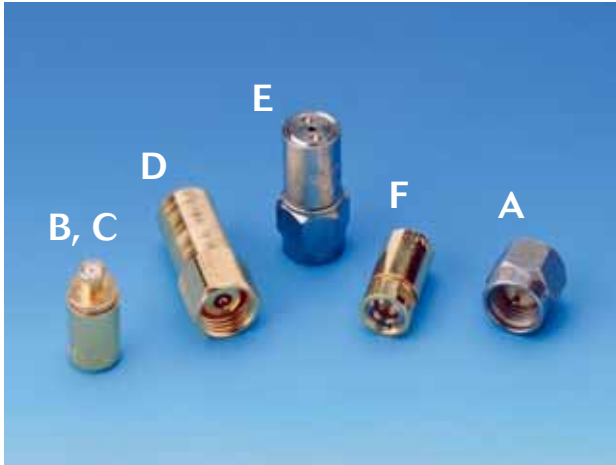
* Not Pictured



Broadband Bias Tees

used for biasing 10 Gb/s and
40 Gb/s transimpedance
amplifiers (TIAs), modulator
driver amplifiers and limiting
amplifiers.

Key	Model	Connector	Freq.(GHz)	Voltage	Current
A	8810SFM1-12	SMA-F/M	10 kHz-12.4	25V	750mA
B	8810SFF2-18	SMA-F/F	30 kHz-18	25V	750mA
C	8810KFM2-26	2.9mm-F/M	7 kHz-26.5	25V	750mA
D	8810KFM2-40	2.9mm-F/M	7 kHz-40	25V	150mA
E	8810EFF2-50	2.4mm-F/F	7 kHz-50	25V	150mA



Terminations

Standard and DC blocking terminations used in terminating optical modulators or any unused module ports.

Key	Model	Terminates	Connector	Freq.(GHz)	Max. VSWR	Voltage
A	3016B	RF & DC	SMA-M	DC-18	1.30:1	
B	TG180F	RF & DC	GPO™-F	DC-26.5	1.30:1	
C	TP180M	RF & DC	SMP-F	DC-26.5	1.30:1	
	TS400M*	RF & DC	2.9mm	DC-40	1.20:1	
	TG180M*	RF & DC	GPO™-M	DC-26.5	1:30:1	
D	TE500M	RF & DC	2.4mm-M	DC-50	1.60:1	
E	8530SM	RF Only	SMA-M	30 kHz-18		100
F	8530PF	RF Only	SMP-M	30 kHz-23		100
	8541-MPF*	DC Only	SMP-M	100 kHz-50 GHz		10

* Not Pictured



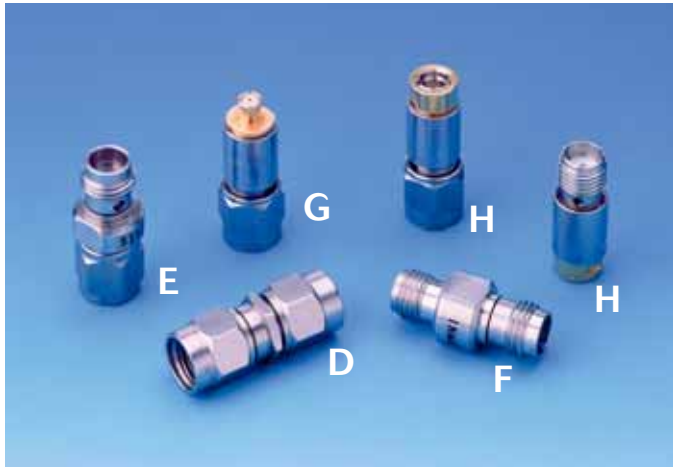
Attenuators

High frequency attenuators for 10 Gb/s and 40 Gb/s applications.

Key	Model	Connector	Freq.(GHz)	VSWR	ATTN (dB)
A	18DH	SMA	DC-18	1.35:1	0-10,12,15,20,30,40
B	26G	GPO™	DC-26.5	1.40:1	0-12,20,30
C	26P	SMP	DC-26.5	1.40:1	0-12,20,30
D	40AH	2.9mm	DC-40	1.40:1	0-12,20,30
E	50EH	2.4mm	DC-50	1.75:1	1,2,3,6,10,20,30

Adapters and Between Series DC Blocks

In series and between series adapters and between series DC blocks used primarily for test purposes.



Key	Model	Description	Freq.(GHz)	Max. VSWR
A,B,C	8180, 8306, 8309	2.4mm/2.9mm	0.01-40	1.30:1
D	5170, 5171, 5172	2.9mm/2.9mm	DC-40	1.25:1
E	5148, 5149, 5150	2.4mm/2.4mm	DC-50	1.30:1
F	5151, 5154	2.4mm/2.9mm	DC-40	1.30:1
G	5190G-5193G	GPO™/SMA	DC-18	1.20:1
H	5190P-5193P	SMP/SMA	DC-18	1.20:1
*	5173, 5174, 5175	1.85mm/1.85mm	DC-65	1.40:1
*	5250, 5251, 5251, 5252	1.85mm/SMA	DC-18	1.30:1
*	5242, 5243, 5244, 5245	1.85mm/N	DC-18	1.25:1
*	5975, 5076, 5077, 5078	1.85mm/2.4mm	DC-50	1.35:1
*	5258, 5259, 5260, 5261	1.85mm/2.9	DC-40	1.30:1
*	5254, 5255, 5256, 5257	1.85mm/3.5mm	DC-34	1.30:1
*	7606	2.4mm	Dust Cap	n/a
*	7607	SMP	Dust Cap	n/a

*Not Pictured. Visit www.aeroflex-inmet.com for connector types and for data sheets on each product.

Notes		
The 2.9mm products shown herein are in fact 2.92mm components. Inmet has elected to use 2.9mm as a "shorthand" designation for the 2.92mm standard.	Components with SMP connectors also mate with GPO™ connectors IAW MIL-STD-348.	GPO™ is a trademark of Corning Gilbert Inc.

For more information,
to obtain a quote, or to order, visit:

www.aeroflex-inmet.com

Quality Assurance

Aeroflex / Inmet's goal is to achieve complete customer satisfaction in the design, quality, delivery, pricing and support of our products. We continue to develop and improve our management systems and manufacturing processes in order to meet this goal.

Aeroflex / Inmet's Quality Assurance system is registered to ISO-9001. Our calibration program for inspection and test equipment complies with the requirements of MIL-STD 45662 and ANSI/NCSL Z540-1.



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