BAB 1-16X 1-way tap | 16 dB | 5 … 1800 MHz | housing design 01



- ✔ Suitable for DOCSIS 3.1 and 4.0
- ✔ Class A (+10 dB) according to EN 50083-2
- ✔ Inputs and outputs hum-suppressed
- ✔ High intermodulation suppression
- ✔ High return loss and isolation

Order information

Type	BAB 1-16X
Order no.	BAB00116X
GTIN	7611682009262
PE	1
VE	1
EU customs tariff number	85291080

Technical data

Frequency range	5 … 1800 MHz
Screening factor acc. to EN 50083-2	Class A + 10 dB
Surge Protection	1 kV @ 1.2/50 µs surge voltage according to IEC 61000-4-5 / 160 Vdc impulse and UM TS 41
Intermodulation ratio (EN 60728-4)	< –115 dBc @ 120 dBµV
Taps	1-fach
Tap loss	16.0 ±0.5 dB @ 10 MHz 16.3 ±0.2 dB @ 65 MHz 16.2 ±0.3 dB @ 108 MHz 16.2 ±0.2 dB @ 204 MHz 16.2 ±0.2 dB @ 258 MHz 16.2 ±0.3 dB @ 470 MHz 16.0 ±0.4 dB @ 862 MHz 16.0 ±0.4 dB @ 1218 MHz 16.0 ±0.5 dB @ 1794 MHz
Through loss	0.6 ±0.3 dB @ 10 MHz 0.5 ±0.2 dB @ 65 MHz 0.5 ±0.2 dB @ 108 MHz 0.4 ±0.2 dB @ 204 MHz 0.5 ±0.3 dB @ 258 MHz 0.5 ±0.3 dB @ 470 MHz 0.8 ±0.4 dB @ 862 MHz 0.9 ±0.4 dB @ 1218 MHz 1.4 ±0.5 dB @ 1794 MHz
Isolation	
Tap-Out	> 38 dB @ 10 … 204 MHz > 35 dB @ 204 … 862 MHz > 34 dB @ 862 … 1218 MHz > 30 dB @ 1218 … 1794 MHz
Connectors	
Connector type	F female (IEC 61169-24)
Impedance	75 Ohm
Return loss	> 23 dB @ 10 … 204 MHz > 21 dB @ 204 … 862 MHz > 19 dB @ 862 … 1218 MHz > 17 dB @ 1218 … 1794 MHz
General	
Operating temperature range	–15 °C … +60 °C
Dimensions (W × H × D) appr.	45 × 55 × 25 mm
IP code	IP67