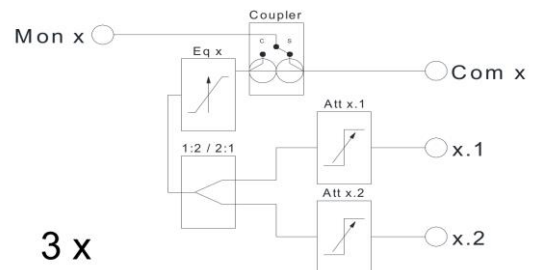


DEV Modulo 3402/MAE

SPLITTER/COMBINER 3*1:2 / 3*2:1

- Module 5 RU; 1 Slot
- Jumper to select Splitter or Combiner Functionality
- In- and Outputs at the Rear
- Monitor Ports at the Front
- Adjustable Attenuation per In-/Output
- Adjustable Slope at Common Port
- Radiated Disturbance ClassA+10dB



SPECIFICATIONS

RF SPECIFICATION	VALUE	CONDITION
Frequency Range	5...1218 MHz	
Impedance	75 Ohm	
Connectors	F (f)	
Damage Composite Input Level	139 dBμV	
Insertion Loss with 0 dB Attenuator Pad and 0 dB Equalizer Pad	max. 5.0 dB max. 5.5 dB max. 6.5 dB max. 7.0 dB max. 8.0 dB	5 ... 50 MHz 50 ... 550 MHz 550 ... 870 MHz 870 ... 1006 MHz 1006 ... 1218 MHz
Flatness	±0.1 dB	In any 8 MHz window
Monitor Port	-20±3 dB	
Flatness Monitor Port	±0.5 dB ±0.5 dB	5 ... 1006 MHz 1006 ... 1218 MHz
Return Loss Monitor Port	≥18 dB	
Return Loss (Common Ports)	≥18 dB ≥16 dB	5 ... 1006 MHz 1006 ... 1218 MHz
Return Loss (In-/Output Ports)	≥18 dB	
Isolation between In- & Output Ports	≥30 dB	5 ... 1218 MHz *
GENERAL SPECIFICATION		
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	
Operating Temperature	0...50 °C (32...122 °F)	
Storage Temperature	-40...+70 °C (-40...+158 °F)	
Storage Humidity	5...95 %	Non-Condensing
Radiated Disturbance	EN 50083-2 ClassA+10dB	

PAD INFORMATION

- Attenuator pads available for attenuation 0...15 dB in 1 dB steps
- Equalizer pads available for slope 1.5...18 dB @ 1218/52 MHz in 1.5 dB steps

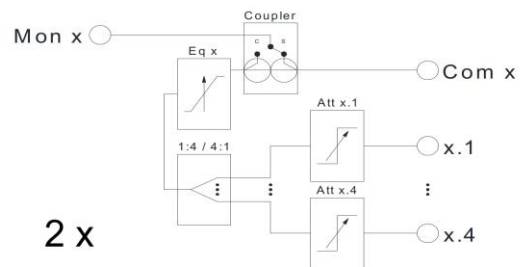
ORDERING INFORMATION

PRODUCT	DESCRIPTION
DEV 3402/MAE	MODULO Splitter/Combiner 3*1:2/3*2:1; 5...1218 MHz; 75 Ohm, F (f); 5 RU, Monitor Port, Adjustable Attenuation and Adjustable Slope
DEV 3920/xxdB	25 Attenuator Pads; 5...1218 MHz; 0...15 dB in 1 dB Steps
DEV 3921/xxdB	10 Linear Equalizer Pads; 1218/52 MHz; 1.5...18 dB in 1.5 dB Steps

DEV Modulo 3407/MAE

SPLITTER/COMBINER 2*1:4 / 2*4:1

- Module 5 RU; 1 Slot
- Jumper to select Splitter or Combiner Functionality
- In- and Outputs at the Rear
- Monitor Ports at the Front
- Adjustable Attenuation per In-/Output
- Adjustable Slope at Common Port
- Radiated Disturbance ClassA+10dB



SPECIFICATIONS

RF SPECIFICATION	VALUE	CONDITION
Frequency Range	5...1218 MHz	
Impedance	75 Ohm	
Connectors	F (f)	
Damage Composite Input Level	139 dBμV	
Insertion Loss with 0 dB Attenuator Pad and 0 dB Equalizer Pad	max. 8.5 dB max. 9.0 dB max. 10.0 dB max. 11.0 dB max. 11.5 dB	5 ... 50 MHz 50 ... 550 MHz 550 ... 870 MHz 870 ... 1006 MHz 1006 ... 1218 MHz
Flatness	±0.1 dB	In any 8 MHz window
Monitor Port	-20±3 dB	
Flatness Monitor Port	±0.5 dB ±0.5 dB	5 ... 1006 MHz 1006 ... 1218 MHz
Return Loss Monitor Port	≥18 dB	
Return Loss (Common Ports)	≥18 dB ≥16 dB	5 ... 1006 MHz 1006 ... 1218 MHz
Return Loss (In-/Output Ports)	≥18 dB	
Isolation between In- & Output Ports	≥30 dB	5 ... 1218 MHz
GENERAL SPECIFICATION		
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	
Operating Temperature	0...50 °C (32... 122 °F)	
Storage Temperature	-40...+70 °C (-40...+158 °F)	
Storage Humidity	5...95 %	Non-Condensing
Radiated Disturbance	EN 50083-2 ClassA+10dB	

PAD INFORMATION

- Attenuator pads available for attenuation 0...15 dB in 1 dB steps
- Equalizer pads available for slope 1.5...18 dB @ 1218/52 MHz in 1.5 dB steps

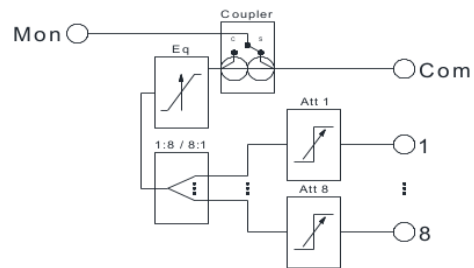
ORDERING INFORMATION

PRODUCT	DESCRIPTION
DEV 3407/MAE	MODULO Splitter/Combiner 2*1:4/2*4:1; 5...1218 MHz; 75 Ohm, F (f); 5 RU, Monitor Port, Adjustable Attenuation and Adjustable Slope
DEV 3920/xxdB	25 Attenuator Pads; 5...1218 MHz; 0...15 dB in 1 dB Steps
DEV 3921/xxdB	10 Linear Equalizer Pads; 1218/52 MHz; 1.5...18 dB in 1.5 dB Steps

DEV Modulo 3411/MAE

SPLITTER/COMBINER 1:8 / 8:1

- Module 5 RU; 1 Slot
- Jumper to select Splitter or Combiner Functionality
- In- and Outputs at the Rear
- Monitor Port at the Front
- Adjustable Attenuation per In-/Output
- Adjustable Slope at Common Port
- Radiated Disturbance ClassA+10dB



SPECIFICATIONS

RF SPECIFICATION	VALUE	CONDITION
Frequency Range	5...1218 MHz	
Impedance	75 Ohm	
Connectors	F (f)	
Damage Composite Input Level	139 dBμV	
Insertion Loss with 0 dB Attenuator Pad and 0 dB Equalizer Pad	max. 12.5 dB max. 13.0 dB max. 14.0 dB max. 15.0 dB max. 16.5 dB	5 ... 50 MHz 50 ... 550 MHz 550 ... 870 MHz 870 ... 1006 MHz 1006 ... 1218 MHz
Flatness	±0.1 dB	In any 8 MHz window, 15 ... 1218 MHz
Monitor Port	-20±3 dB	
Flatness Monitor Port	±0.5 dB ±0.5 dB	5 ... 1006 MHz 1006 ... 1218 MHz
Return Loss Monitor Port	≥18 dB	
Return Loss (Common Ports)	≥18 dB ≥16 dB	5 ... 1006 MHz 1006 ... 1218 MHz
Return Loss (In-/Output Ports)	≥18 dB	
Isolation between In- & Output Ports	≥30 dB	5 ... 1218 MHz
GENERAL SPECIFICATION		
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	
Operating Temperature	0...50 °C (32...122 °F)	
Storage Temperature	-40...+70 °C (-40...+158 °F)	
Storage Humidity	5...95 %	Non-Condensing
Radiated Disturbance	EN 50083-2 ClassA+10dB	

PAD INFORMATION

- Attenuator pads available for attenuation 0...15 dB in 1 dB steps
- Equalizer pads available for slope 1.5...18 dB @ 1218/52 MHz in 1.5 dB steps

ORDERING INFORMATION

PRODUCT	DESCRIPTION
DEV 3411/MAE	MODULO Splitter/Combiner 1:8/8:1; 5...1218 MHz; 75 Ohm, F (f); 5 RU, Monitor Port, Adjustable Attenuation and Adjustable Slope
DEV 3920/xxdB	25 Attenuator Pads; 5...1218 MHz; 0...15 dB in 1 dB Steps
DEV 3921/xxdBy	10 Linear Equalizer Pads; 1218/52 MHz; 1.5...18 dB in 1.5 dB Steps