RF Distributor

The two-frequency RF distributor is designed to divide RF (radio frequency) signal sent from the antenna into two frequency outputs.

Features

1. The WEA1110-0406 is a two-frequency RF distributor designed for audio and visual implementation of TVs. It is used for VTRs without RF modulator to permit recording of a program broadcast in the same slot on a different channel.
2. The WEA1190-0305 is a two-frequency RF distributor for sets with two built-in tuners. It is ideal for TVs and camcorders that have a picture-in-picture or two-screen feature. (The model designed for PAL specifications and one with a simplified booster are also available.)
3. The WEA1190-0401 is a small shunting device that divides RF (radio frequency) signal into two outputs: main output and sub output. It is helpful for space reduction of sets.

Products Variation

Part No.	I/O Specifications	Frequency Range	Typical Use		
			TV	VTR	TV with VTR
WEA1110-0406	RF distributor Input-F type receptacle Output1-F type receptacle Output2-RF pin jack	50～300MHz 470～770MHz	○	○	
WEA1190-0305	RF distributor Input-F type receptacle Output1-RF pin jack Output2-RF pin jack	50～300MHz 470～780MHz	○		○
WEA1190-0402	RF distributor Input-F type receptacle Output1-RF pin jack Output2-RF pin jack	50～300MHz 470～770MHz	○		○
WEA1190-0406	RF distributor Input-F type receptacle Output1-Pin plug Output2-Pin jack	90～780MHz	○		○
WEA1190-0306	RF distributor Input-F type receptacle Output1-Pin jack Output2-Pin jack	50～870MHz	○		○
WEA2190-0501	RF distributor Input-PAL receptacle Output1-Pin jack Output2-Pin jack	50～870MHz	○		○
WEA1190-0401	RF splitter Input-F type receptacle Output1-Pin plug Output2-Pin jack	50～800MHz	○		○

RF Distributor

Specifications

Item \ Part No.	WEA1110-0406		WEA1190-0305		WEA1190-0402		WEA1190-0406	
Frequency Range	50～300	470～770	50～300	470～780	50～300	470～770	90～470	470～780
I/O Impedance	75Ω unbalance							
Loss [dB]	4.0	5.0	4.0	5.0	4.0	5.0	4.0	5.0
VSWR	2.0	2.5	2.0	2.5	2.5	2.5	2.5	3.0
Isolation[dB]	20	10	15	10	15	10	15	

With a Simplified Booster

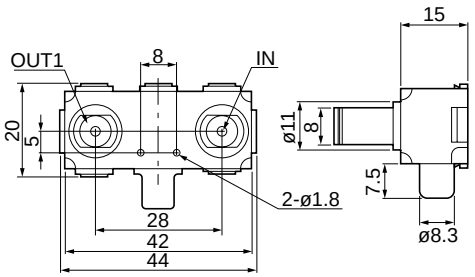
Item \ Part No.	WEA1190-0306 WEA2190-0501		
Gain	0.5～5dB		
VSWR	50～230MHz 2 max.	230～870MHz 3 max.	
Isolation	50~700MHz 15dB min.	700~810MHz 10dB min.	810~870MHz 8dB min.
NF	6FdB max.		

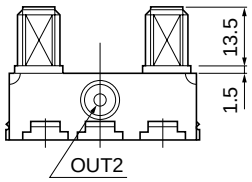
Splitter

Item \ Part No.		WEA1190-0401
Frequency Range		15～800MHz
Loss	IN-MAIN OUT	4dB max.
	IN-SUB OUT	9dB max.
VSWR		3 max.
Isolation		90～220MHz 20dB min. / 220～800MHz 15dB min.

RF Distributor

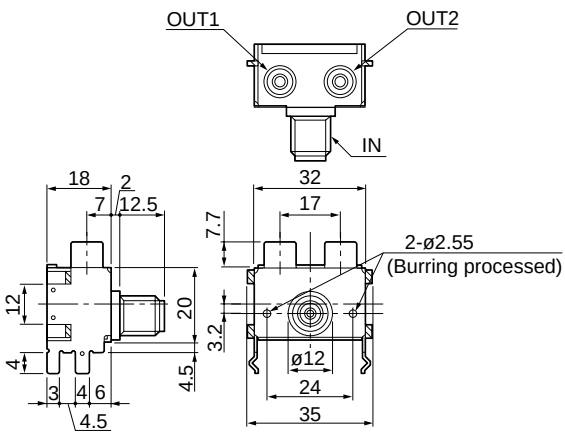
WEA1110-0406





Frequency Range	50～770MHz	
Loss	50～300MHz	4.0dB
	470～770MHz	5.0dB
VSWR	50～300MHz	2.0
	470～770MHz	2.5
Isolation	50～300MHz	20dB
	470～770MHz	10dB

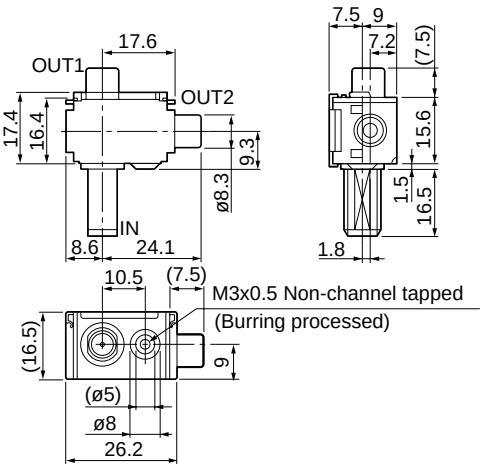
WEA1190-0305



Frequency Range	50～780MHz	
Loss	50～300MHz	4.0dB
	470～780MHz	5.0dB
VSWR	50～300MHz	2.0
	470～780MHz	2.5
Isolation	50～300MHz	15dB
	470～780MHz	10dB

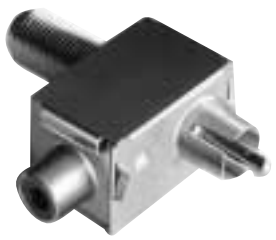
RF Distributor

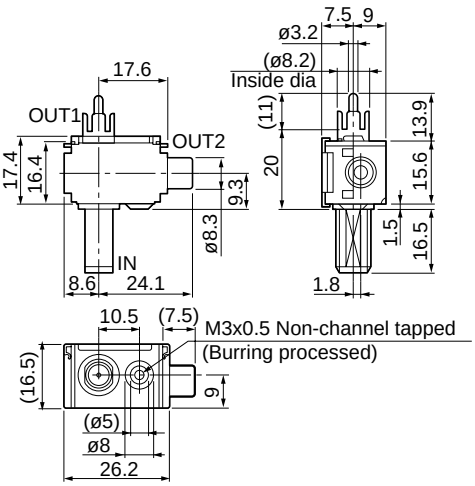
WEA1190-0402



Frequency Range	50～770MHz	
Loss	50～300MHz	4.0dB
	470～770MHz	5.0dB
VSWR	50～300MHz	2.5
	470～770MHz	2.5
Isolation	50～300MHz	15dB
	470～770MHz	10dB

WEA1190-0406





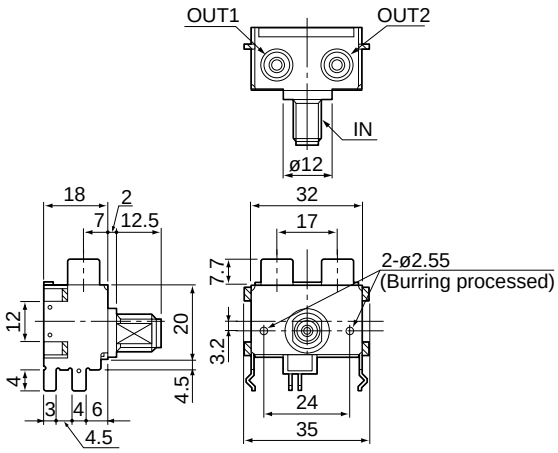
Frequency Range	90～780MHz	
Loss	90～470MHz	4.0dB
	470～780MHz	5.0dB
VSWR	90～470MHz	2.5
	470～780MHz	3.0
Isolation	15dB	

※Output is at a pin plug and can be directly connected with a TV tuner. Its compact design contributes to space reduction.

RF Distributor

WEA1190-0306

With a Simplified Booster (NTSC)

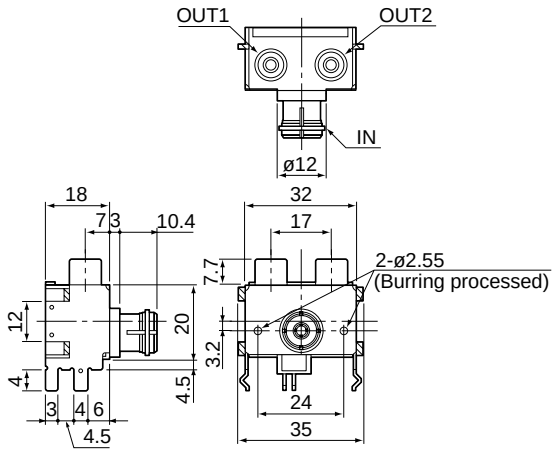


Frequency Range	50～870MHz	
Gain	0.5～5.0dB	
VSWR	50～230MHz	2.0
	238～870MHz	3.0
Isolation	50～700MHz	15dB
	700～810MHz	10dB
	810～870MHz	8dB
NF	6.0FdB	

※Ideal for sets used in lower electric field strength areas.

WEA2190-0501

With a Simplified Booster (PAL)



Frequency Range	50～870MHz	
Gain	0.5～5.0dB	
VSWR	50～270MHz	2.0
	238～870MHz	3.0
Isolation	50～700MHz	15dB
	700～810MHz	10dB
	810～870MHz	8dB
NF	6.0FdB	

※Ideal for sets used in lower electric field strength areas.