SAW Duplexers

Type: EFSD D D D	
FESDODODEDO	7



SAW Duplexer for Cellular Telephone which incorporates highly-precise interdigited electrodes achieves low insertion loss, high selectivity. And unique electrode material achieves high power durability thus the duplexer has wide applications to antenna duplexer circuits for cellular telephones.

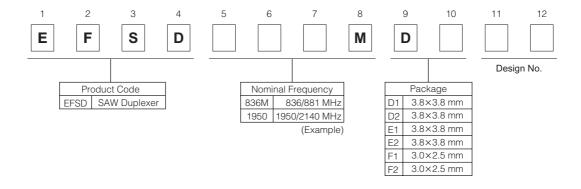
■ Features

- Stable against severe conditions of vibration and shock thanks to the unique monolithic construction of the filter
- Low insertion loss and excellent selectivity
- Contributes to circuit simplification and adjustment free
- Saves the hight on PC board

■ Recommended Applications

• The antenna duplexer for cellular telephone

■ Explanation of Part Numbers

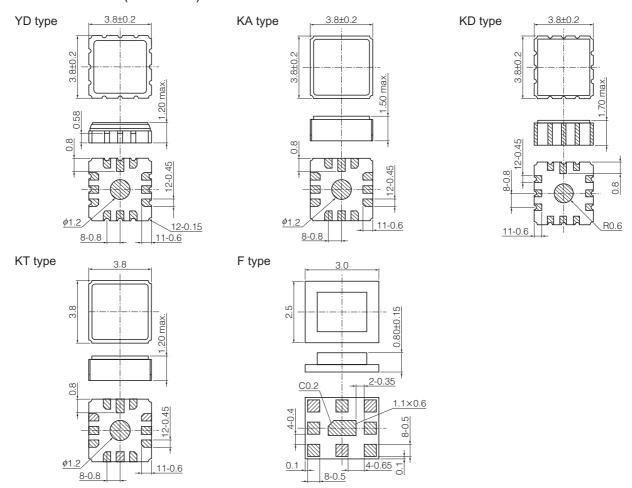


■ Ratings and Characteristics

Part No.	System	Nominal Center Input/Output Size Frequency		Size	Package	
EFSD836MD1□□					KA	
EFSD836MD2□□		836.5/881.5 MHz	UB-UB(50 Ω-50 Ω)	3.8×3.8 mm	104	
EFSD836ME1□□	CDMA			3.0X3.0	YD	
EFSD836ME2□□	CDIVIA					
EFSD836MF1□□				2.0.40.5	F	
EFSD836MF2□□				3.0×2.5 mm	F	
EFSD906MD1□□	J-CDMA	851.0/906.0 MHz			KA	
EFSD906MD2□□		031.0/900.0 WII 12		3.8×3.8 mm		
EFSD911MD1□□		050 5/011 5 MH-	UB-UB(50 Ω-50 Ω)			
EFSD911MD2□□	J-CDIVIA					
EFSD911MF1□□		856.5/911.5 MHz		3.0×2.5 mm	F	
EFSD911MF2□□				3.082.3 11111	Г	
EFSD1765D1□□	KPCS	1765.0/1855.0 MHz	UB-UB(50 Ω-50 Ω)	3.8×3.8 mm	KD	
EFSD1765D2□□	KFC3	1703.0/1033.0 MHZ	OB-OB(30 12-30 12)	3.083.0 11111	ND	
EFSD1950D1□□	WCDMA	1950.0/2140.0 MHz	UB-UB(50 Ω-50 Ω)	3.8×3.8 mm	KT	
EFSD1950D2□□	VVCDIVIA	1900.0/2140.0 WITE	00-00(00 12-00 12)	J.0AJ.0 IIIII	IN I	

* UB : Unbalance, B : Balance

■ Dimensions in mm (not to scale)

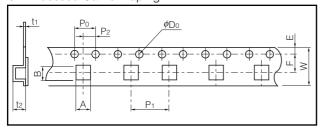


■ Packaging Methods (Taping)

Minimum Quantity / Packing Unit

Part Number	Packaging Style	ging Style Quantity		Carton Dimensions in mm (LxWxH)	
EFCH DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	Embossed Carrier Taping	4000 pcs./reel	20000 pcs.	338×350×100	
EFCHE	Embossed Carrier Taping	4000 pcs./reel	20000 pcs.	338×350×100	
EFCHDDDDFDDD	Embossed Carrier Taping	2000 pcs./reel	10000 pcs.	230×220× 73	

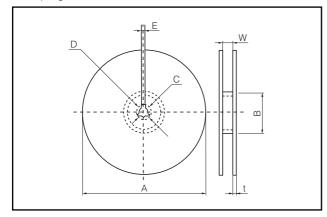
Embossed Carrier Taping



YD, KA, KD, KT type

Symbol	W	F	E	P ₀	P ₁	P ₂	Do	t ₁	t ₂	А	В
Dim. (mm)	12.0±0.2	5.5±0.1	1.75±0.10	4.0±0.1	8.0±0.1	2.0±0.1	φ1.5 ^{+0.1}	0.30±0.05	1.8±0.1	4.2±0.1	4.2±0.1
F type											
Symbol	W	F	E	P ₀	P ₁	P ₂	Do	t ₁	t_2	А	В
Dim. (mm)	8.0±0.2	3.50±0.05	1.75±0.10	4.0±0.1	4.0±0.1	2.00±0.05	φ1.5 ^{+0.1} ₋₀	0.25±0.05	1.25±0.1	2.9±0.1	3.40±0.05

Taping Reel



YD, KA, KD, KT type

Symbol	А	В	С	D	E	W	t
Dim. (mm)	φ330±2	φ100±1	φ13.0±0.5	φ21.0±1.0	2.0±0.5	13.5±1.0	max. 3

F type

Symbol	А	В	С	D	E	W	t
Dim. (mm)	φ180±3	φ60.0±1.0	φ13.0±0.5	φ21.0±1.0	2.0±0.5	9.0±1.0	max. 3