

SAW RF FILTER FOR CELLULAR PHONE



FEATURES

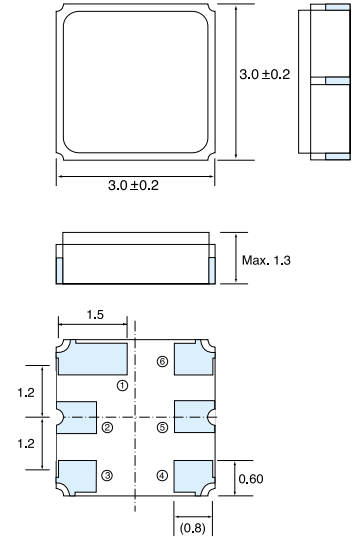
- Compact Size
- Surface Mounted Device Type

APPLICATION

- Saw RF Filter for Cellular Phone

SPECIFICATIONS

	H836AC / H836AH (For CDMA)	H881AC / H881AH (For CDMA)	H915AC / H915AH (For ISM900)
Nominal Center Frequency(f_0)	836.5MHz	881.5MHz	915MHz
Passband Width	$f_0 \pm 12.5$ MHz	$f_0 \pm 12.5$ MHz	$f_0 \pm 13$ MHz
Insertion Loss	4.0dB Max.	4.0dB Max.	4.5dB Max.
VSWR	2.5dB Max.	2.5dB Max.	1.8dB Max.
Stopband Attenuation	(D.C~800MHz) 30dB Min. (869~910MHz) 20dB Min. (910MHz~1.5GHz) 30dB Min. (1.5~3GHz.) 15dB Min.	(D.C~824MHz) 35dB Min. (824~849 MHz) 25dB Min. (914~939MHz) 20dB Min. (970MHz~1.5GHz) 35dB Min. (1.5~3GHz.) 15dB Min.	(580~790MHz) 45dB Min. (790~860 MHz) 30dB Min. (970MHz~1.04GHz) 20dB Min. (1.04~1.25GHz) 40dB Min. (1.25~2GHz.) 20dB Min.
Terminating Impedance(Z_0)	50 Ω	50 Ω	50 Ω
Package Type	SC30	SC30	SC30



SC30 Type

	H902AC / H902AH (For GSM)	H947AC/H947AH (For GSM)
Nominal Center Frequency(f_0)	902.5 MHz	947.5 MHz
Passband Width	$f_0 \pm 12.5$ MHz	$f_0 \pm 12.5$ MHz
Insertion Loss	4.0dB Max.	4.0dB Max.
VSWR	2.5 Max.	2.5 Max.
Stopband Attenuation	(811~845MHz) 30dB Min. (845~870MHz) 20dB Min. (935~980MHz) 18dB Min. (980~994MHz) 30dB Min. (994MHz~1.5GHz) 45dB Min.	(440~890MHz) 35dB Min. (890~915MHz) 25dB Min. (980MHz~1.025GHz) 15dB Min. (1.025~1.09GHz) 35dB Min.
Terminating Impedance(Z_0)	50 Ω	50 Ω
Package Type	SC30	SC30

	H902BH(GSM)	H947BH(GSM)
Nominal Center Frequency(f_0)	902.5MHz	947.5MHz
Passband Width	$f_0 \pm 12.5$ MHz	$f_0 \pm 12.5$ MHz
Insertion Loss	3.3dB Max.	3.3dB Max.
VSWR	2.1 Max.	2.1 Max.
Stopband Attenuation	(D.C~845MHz) 50dB Min. (845~870MHz) 45dB Min. (935~980MHz) 28dB Min. (980~1200MHz) 50dB Min. (1200~3000MHz) 30dB Min.	(D.C~871MHz) 50dB Min. (890~915MHz) 30dB Min. (980~1025MHz) 25dB Min. (1025~2000MHz) 45dB Min. (2000~3000MHz) 30dB Min.
Terminating Impedance(Z_0)	50 Ω	50 Ω
Package Type	SC30	SC30



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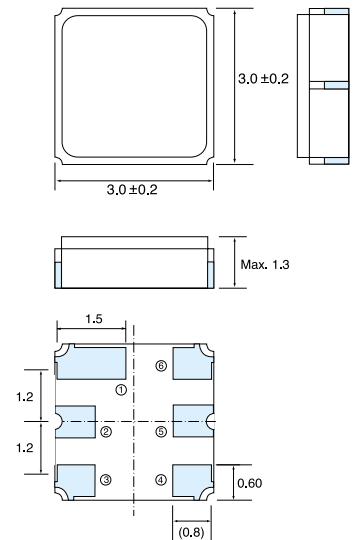
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- Surface Mounted Device Type

APPLICATION

- SAW RF Filter For Cellular Phone

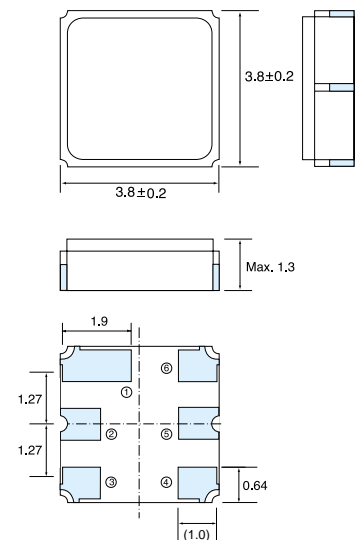
SPECIFICATIONS

	D836L (For CDMA)	D881L (For CDMA)	D902L (For GSM)	D947L (For GSM)
Nominal Center Frequency	836.5MHz	881.5MHz	902.5MHz	947.5MHz
Passband Widty	$fo \pm 12.5\text{MHz}$	$fo \pm 12.5\text{MHz}$	$fo \pm 12.5\text{MHz}$	$fo \pm 12.5\text{MHz}$
Insertion Loss	3.5dB Max.	3.5dB Max.	3.5dB Max.	3.5dB Max.
VSWR	2.5dB Max.	2.5dB Max.	2.0dB Max.	2.0dB Max.
Stopband Attenuation	(D.C~800MHz) 28dB Min. (869MHz~1.5GHz) 30dB Min. (1.5MHz~GHz) 25dB Min.	(D.C~779MHz) 25dB Min. (779MHz~849MHz) 33dB Min. (914MHz~939MHz) 20dB Min. (939MHz~1.5GHz) 37dB Min. (1.5GHz~2GHz) 25dB Min.	(D.C~870MHz) 20dB Min. (935MHz~980MHz) 20dB Min. (980MHz~1.2GHz) 35dB Min.	(890MHz~915MHz) 20dB Min. (980MHz~1GHz) 20dB Min. (1.2GHz~1.1GHz) 35dB Min.
Terminating Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Package Type	SC30, SC38	SC30, SC38	SC30	SC30



SC30 Type

	D897L (For E-GSM)	D942L (For E-GSM)	DG65L (For PCS)	DG55L (For PCS)
Nominal Center Frequency	836.5MHz	881.5MHz	1765MHz	1855MHz
Passband Widty	$fo \pm 12.5\text{MHz}$	$fo \pm 12.5\text{MHz}$	$fo \pm 15\text{MHz}$	$fo \pm 15\text{MHz}$
Insertion Loss	3.5dB Max.	3.5dB Max.	3.0dB Max.	3.0dB Max.
VSWR	2.5dB Max.	2.5dB Max.	2.0dB Max.	2.0dB Max.
Stopband Attenuation	(D.C~800MHz) 28dB Min. (869MHz~1.5GHz) 30dB Min. (1.5GHz~GHz) 25dB Min.	(D.C~779MHz) 25dB Min. (779MHz~849MHz) 33dB Min. (914MHz~939MHz) 20dB Min. (939MHz~1.5GHz) 37dB Min. (1.5GHz~2GHz) 25dB Min.	(1.35GHz~1.38GHz) 25dB Min. (1.66GHz~1.69GHz) 30dB Min. (1.84GHz~1.87GHz) 30dB Min. (2.15GHz~2.18GHz) 30dB Min.	(1.44GHz~1.47GHz) 25dB Min. (1.75GHz~1.78GHz) 30dB Min. (1.93GHz~1.96GHz) 30dB Min. (2.24GHz~2.27GHz) 30dB Min.
Terminating Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Package Type	SC30, SC38	SC30, SC38	SC30	SC30



SC38 Type

	DG80L (For PCS)	DG60L (For PCS)	DG47L (For PCS)	DG42L (For PCS)
Nominal Center Frequency	1800MHz	1960MHz	1747.5MHz	1842.5MHz
Passband Widty	$fo \pm 30\text{MHz}$	$fo \pm 30\text{MHz}$	$fo \pm 37.5\text{MHz}$	$fo \pm 37.5\text{MHz}$
Insertion Loss	4.2dB Max.	4.5dB Max.	4.2dB Max.	4.5dB Max.
VSWR	2.5dB Max.	2.5dB Max.	3.0dB Max.	3.0dB Max.
Stopband Attenuation	(D.C~1.5GHz) 20dB Min. (1.5GHz~1.8GHz) 23dB Min. (1.93GHz~1.99GHz) 7dB Min. (3.7GHz~3.82GHz) 25dB Min.	(D.C~1.5GHz) 21dB Min. (1.5GHz~1.85GHz) 23dB Min. (1.85GHz~1.91GHz) 10dB Min. (3.86GHz~3.98GHz) 25dB Min.	(D.C~1.5GHz) 17dB Min. (1.5GHz~1.67GHz) 20dB Min. (1.8GHz~1.88GHz) 7dB Min. (1.88GHz~2.2GHz) 20dB Min.	(D.C~1.5GHz) 20dB Min. (1.6GHz~1.71GHz) 22dB Min. (1.71GHz~1.75GHz) 10dB Min. (1.92GHz~2.4GHz) 25dB Min.
Terminating Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Package Type	SC30	SC30	SC30	SC30