

SAW Resonators

Type: **EFOH**□□□**MQR3**□



SAW Resonator is capable of fundamental wave oscillation, and it is particularly suited for simplification, size reduction and stabilization of the circuit, compared with conventional LC oscillation and quartz crystal oscillation.

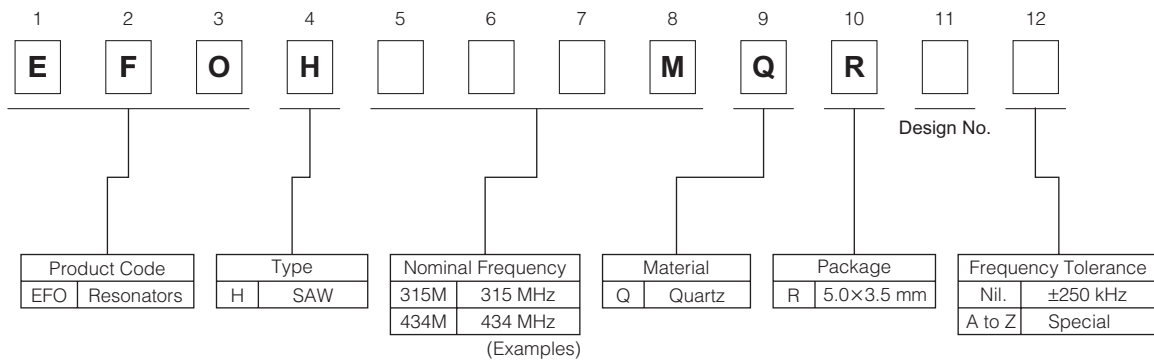
■ Features

- Capable of fundamental oscillation
- Superior temperature characteristics
- Suited for simplification, size reduction and stabilization of the circuit
- Wide frequency range: 200 to 500 MHz (Available for requested frequency)

■ Recommended Applications

- Oscillation circuit for remote controller (Garage door opener, Security system)
- Various kinds of local oscillation circuit
- Keyless entry system

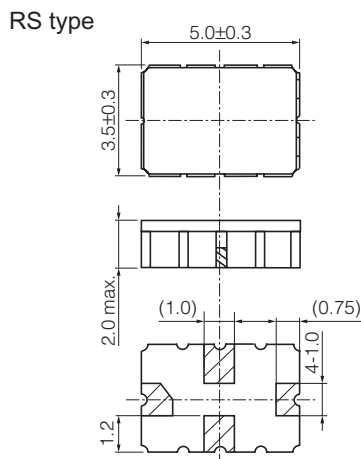
■ Explanation of Part Numbers



■ Ratings and Characteristics

Part No.	Resonant Frequency	Resonant resistance	Capacitance	Temperature Characteristics
EFOH315MQR3	315.000±0.250 MHz	30 Ω max.	2.5±0.5 pF	Maximum Frequency Drift : -150 to 50 ppm/°C (-20 to 80 °C)
EFOH434MQR3	433.920±0.250 MHz	30 Ω max.	2.5±0.5 pF	

■ Dimensions in mm (not to scale)

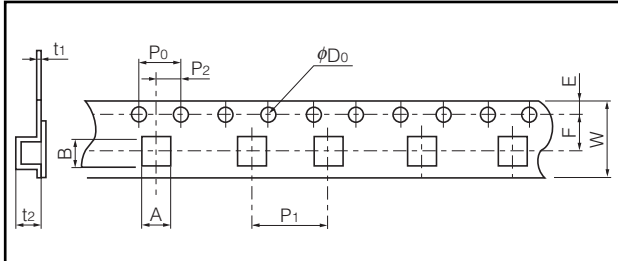


■ Packaging Methods (Taping)

● Minimum Quantity / Packing Unit

Part Number	Packaging Style	Quantity	Packaging Quantity in Carton	Carton Dimensions in mm (L×W×H)
EFOH□□□MQR3□	Embossed Carrier Taping	4000 pcs./reel	20000 pcs.	338×350×100

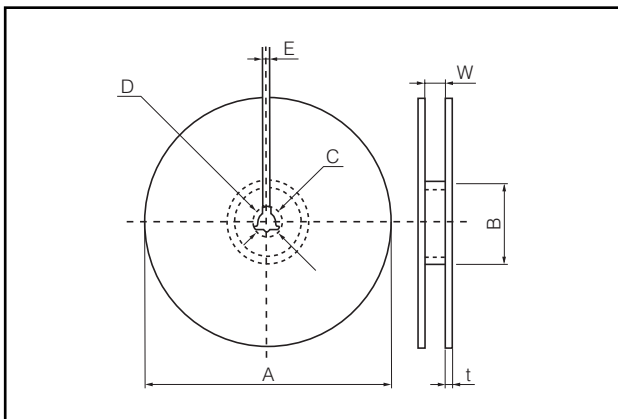
● Embossed Carrier Taping



RS type

Symbol	W	F	E	P ₀	P ₁	P ₂	D ₀	t ₁	t ₂	A	B
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	$\phi 1.5^{+0.03}$	0.30±0.05	1.8±0.1	4.1±0.1	5.7±0.1

● Taping Reel



RS type

Symbol	A	B	C	D	E	W	t
Dim. (mm)	$\phi 180 \pm 3$	$\phi 60.0 \pm 1.0$	$\phi 13.0 \pm 0.5$	$\phi 21.0 \pm 1.0$	2.0±0.5	13.0±1.0	3 max.