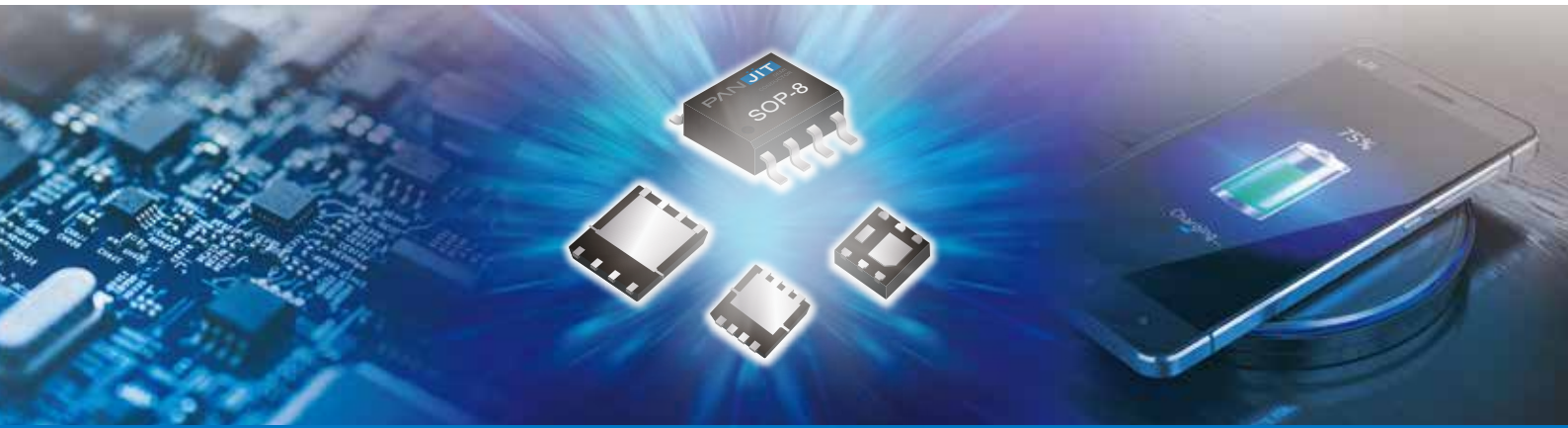
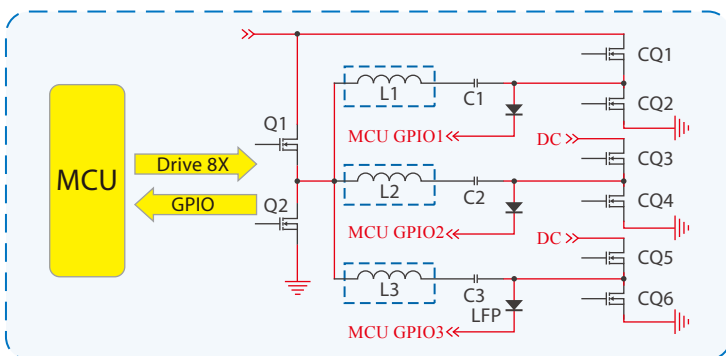


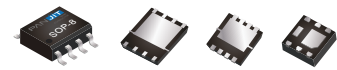
Power MOSFETs for Wireless Charging Transmitter



The wireless charging transmitter transfers the electromagnetic field to the battery receiver of its application, therefore, in order for the wireless charger to work properly, a high-efficiency power MOSFET solution is required. PANJIT provides a serial of power MOSFETs assembled in low profile package which saves space while delivering similar on-resistance and thermal resistance.



➤ Recommended Devices



Power	PANJIT Part No.				
Watt	SOP-8	SOP-8(Dual)	DFN5060-8L	DFN3333-8L	DFN2020B-6L
5W	PJL9407	-	-	PJQ4413P	-
	-	PJL9807	-	-	-
10-15W	PJL9408	PJL9808	PJQ5410	PJQ4401P	PJQ2407
	PJL9410	PJL9811	PJQ5412	PJQ4404P	PJQ2422
	PJL9411	PJL9836A	PJQ5420	PJQ4407P	-
	PJL9412	-	PJQ5462A	PJQ4408P	-
	PJL9414	-	PJQ5466A	PJQ4410P	-
	PJL9415	-	PJQ5466A1	PJQ4411P	-
	PJL9434A	-	-	PJQ4414P	-
	PJL9436A	-	-	PJQ4464AP	-
20-30W	PJL9436A1	-	-	PJQ4466AP	-
	PJL9416	-	PJQ5424	PJQ4402P	-
	PJL9418	-	PJQ5426	-	-

PANJIT is a supplier to the power transmitter and receiver components, supporting the evolution of wireless power technology by providing advance product solutions; as the technology of wireless chargers continues to improve, people will have more opportunities for charging and enjoying a smarter life.

➤ Product Features

- Low FOM ($R_{DS(on)} \times Q_g$)
- Low profile package outline
- Exposed thermal pads
- Logic level 4.5V rated

➤ Benefit

- Low switching Losses
- High switching frequency operation
- Low operating temperature
- Low gate drive losses

➤ Application

- Wireless charging pads
- Wireless charging sockets
- Wireless charging case
- Wireless charging station



➤ Compare Devices

Electrical Characteristics		PANJIT SEMI CONDUCTOR	Company A	Company B	Company C
Parameter		PJQ4410P	Dxxx	Ixxx	Fxxx
Polarity		N	N	N	N
V_{DS} (V)		30	30	30	30
V_{GS} (V)		± 20	± 25	± 20	± 20
I_D (A)		10	9.5	12	10.5
$R_{DS(on)}$ Max.	10V (mΩ)	12 WIN	20	12.4	14.3
	4.5V (mΩ)	18 WIN	27	17.9	22.5
Ciss Typ (pF)		660	580	755	710
$V_{GS(th)}$ Max. (V)		2.5	2.0	2.4	2.5
Q_g Typ. (nC)		7.1	5.3	5.4	7

■ All data are subject to change.
Please visit www.panjit.com or contact sales@panjit.com.tw for updates.