

JHK75N120FA

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1200V/75A FIELD-STOP TRENCH IGBT WITH DIODE

Features

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Applications

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Ordering Information

| Part Number | Marking | Package | Packing |
|-------------|---------|---------|---------|
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Absolute Maximum Ratings

| Parameter | Symbol | Limit | Unit |
|-----------|--------|-------|------|
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Static Electrical Characteristics

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|-----------|--------|-----------------|-----|-----|-----|------|
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Thermal Characteristics

| Parameter | Symbol | Min | Typ | Max | Unit |
|-----------|--------|-----|-----|-----|------|
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Dynamic Electrical Characteristics

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|-----------|--------|-----------------|-----|-----|-----|------|
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Typical Electrical Characteristics

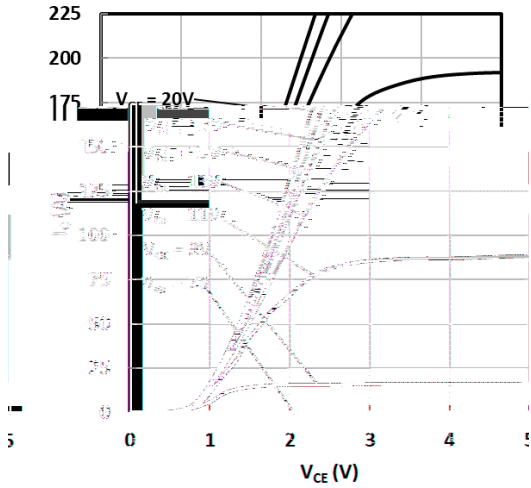


Fig. 1 Typical output characteristics

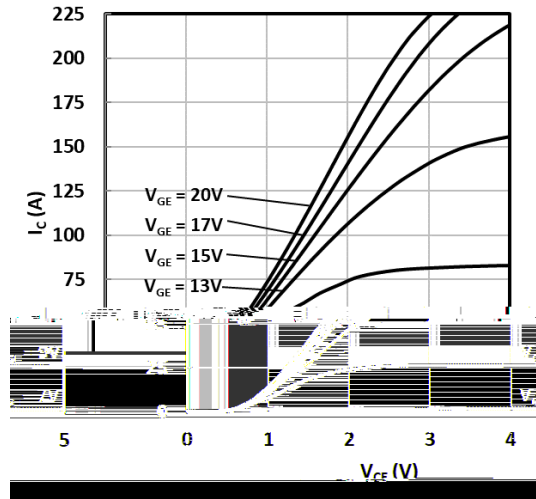


Fig. 2 Typical output characteristics

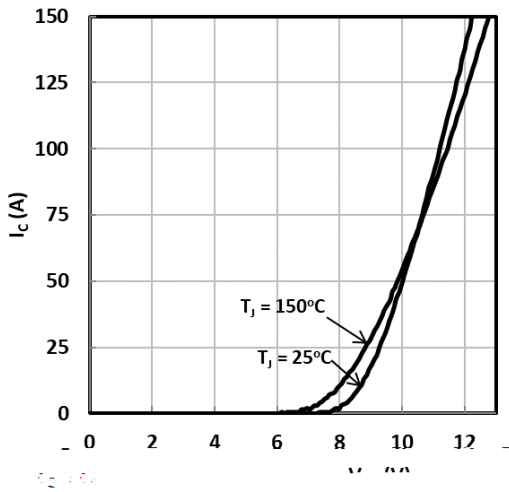


Fig. 3 Typical transfer characteristics

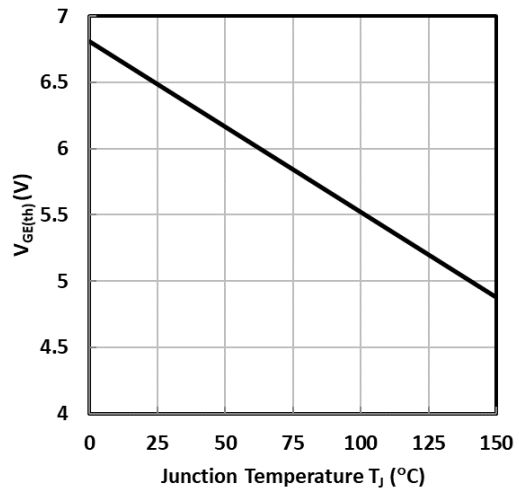


Fig. 4 Typical gate threshold voltage as a function of junction temperature

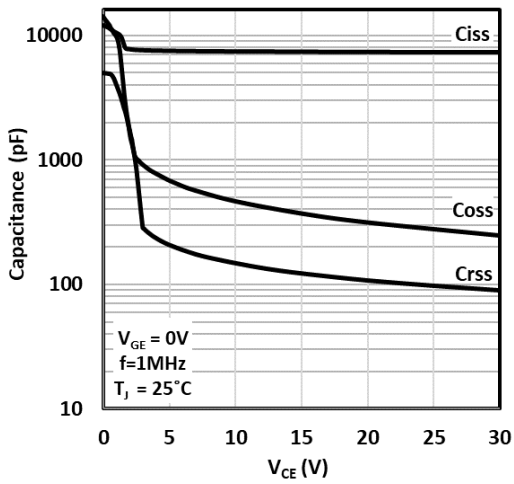


Fig. 9 Typical capacitance as a function of collector-to-emitter voltage

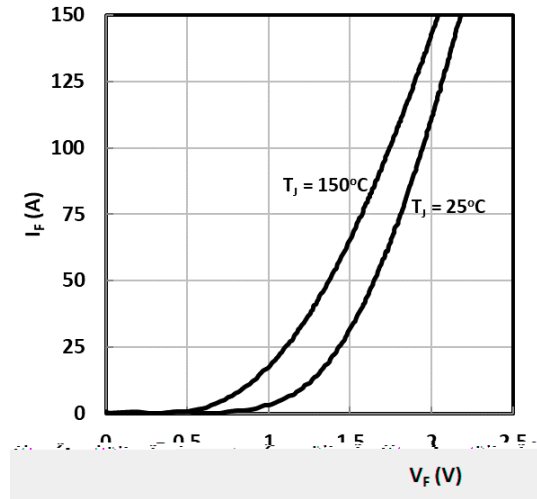


Fig. 10 Typical diode forward current as a function of forward voltage

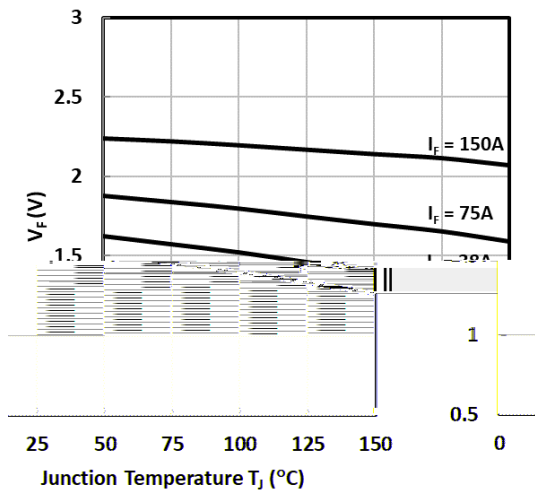


Fig. 11 Typical diode forward voltage as a function of junction temperature

Package Drawing



TO-264

Revision history of JHK75N120FA Specification

| Version | Change Items | Effective Date |
|---------|--------------|----------------|
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